



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 22 LW UV FA 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-024 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/25/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 22 LW UV FA 930

[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflector,
[MORE] frosted linear ribbed plastic enclosure.

[LAMP] 64 white LEDs, one LS3872A8_3000_90R 3000K LED board

[BALLAST] One ULT D10CC30UNVPW-C LED driver programmed at 540mA

[OTHER] 120.0Vac, 60.01Hz

[OTHER] This test was performed using the absolute method of photometry.

[MORE] Lamp lumens value was set to -1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3717
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	28.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.85 ft
Luminous Width (90-270)	1.85 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3405	3675	3944
55	3134	3555	4000
65	2820	3496	4239
75	2373	3524	4644
85	1581	3000	4139

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	474.94	N.A.	12.80
0-30	1000.76	N.A.	26.90
0-40	1625.25	N.A.	43.70
0-60	2850.57	N.A.	76.70
0-80	3626.36	N.A.	97.60
0-90	3717.15	N.A.	100.00
10-90	3593.62	N.A.	96.70
20-40	1150.31	N.A.	30.90
20-50	1791.41	N.A.	48.20
40-70	1694.88	N.A.	45.60
60-80	775.80	N.A.	20.90
70-80	306.23	N.A.	8.20
80-90	90.79	N.A.	2.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3717.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.53
10-20	351.41
20-30	525.83
30-40	624.49
40-50	641.09
50-60	584.23
60-70	469.57
70-80	306.23
80-90	90.79
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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UGR TABLE - CORRECTED

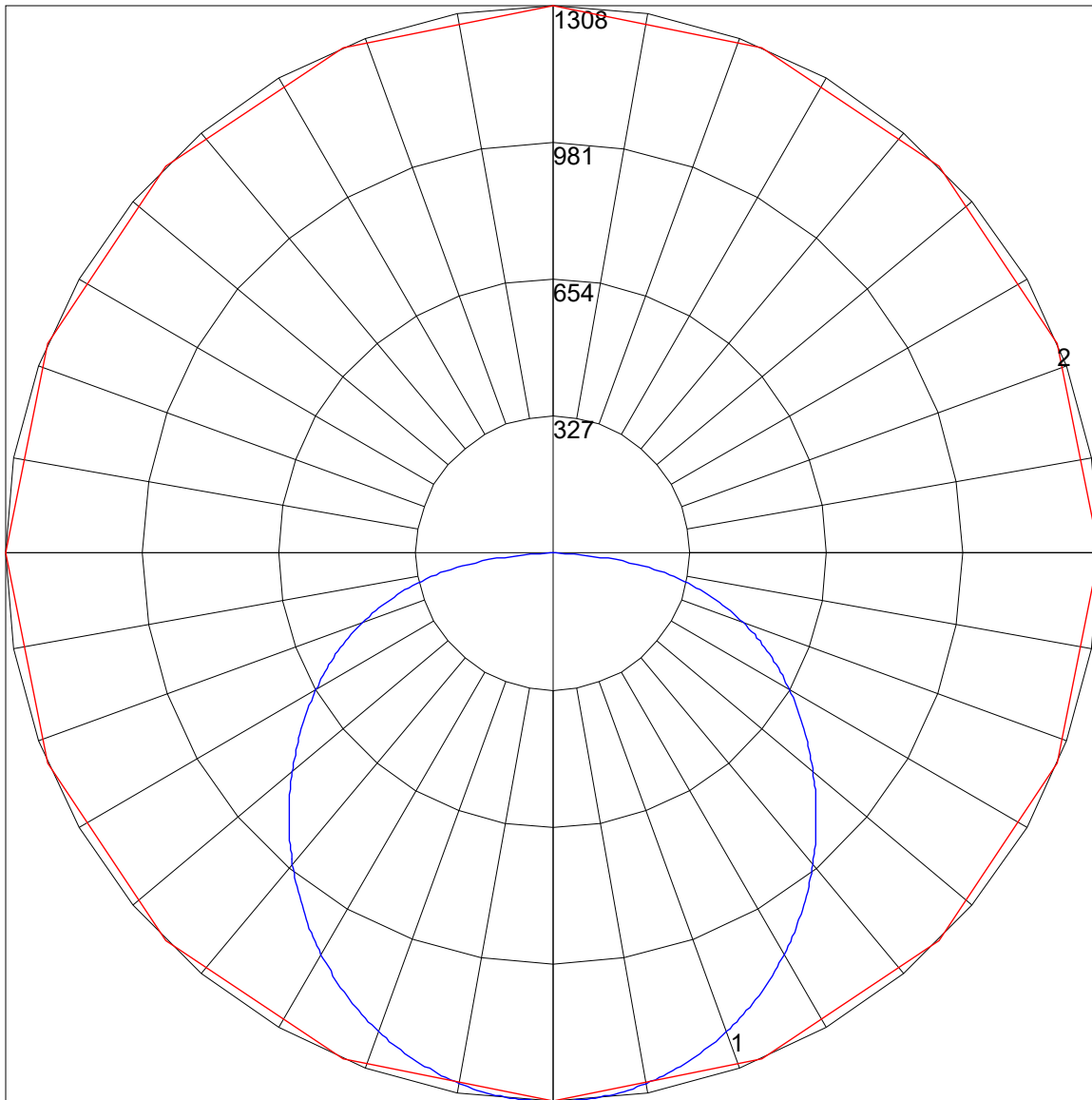
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	15.8	17.4	16.1	17.7	18.1	17.2	18.9	17.6	19.2	19.5
	3H	17.5	19.0	17.9	19.3	19.7	19.6	21.1	20.0	21.4	21.8
	4H	18.1	19.6	18.5	19.9	20.3	20.6	22.1	21.0	22.4	22.8
	6H	18.6	19.9	19.0	20.3	20.6	21.5	22.9	22.0	23.2	23.6
	8H	18.7	20.0	19.1	20.3	20.7	21.9	23.2	22.3	23.6	23.9
	12H	18.8	20.0	19.2	20.4	20.8	22.1	23.3	22.6	23.7	24.1
4H	2H	16.7	18.1	17.1	18.4	18.8	17.8	19.2	18.2	19.6	19.9
	3H	18.6	19.8	19.0	20.2	20.6	20.4	21.6	20.8	22.0	22.4
	4H	19.4	20.5	19.8	20.9	21.3	21.6	22.7	22.0	23.1	23.6
	6H	20.0	20.9	20.4	21.3	21.8	22.7	23.7	23.2	24.1	24.6
	8H	20.1	21.0	20.6	21.5	21.9	23.1	24.0	23.6	24.5	24.9
	12H	20.2	21.0	20.7	21.5	22.0	23.4	24.2	23.9	24.7	25.2
8H	4H	20.0	20.9	20.4	21.3	21.8	21.9	22.8	22.4	23.2	23.7
	6H	20.7	21.5	21.2	21.9	22.4	23.2	23.9	23.7	24.4	24.9
	8H	20.9	21.6	21.4	22.1	22.6	23.7	24.4	24.2	24.9	25.4
	12H	21.1	21.7	21.6	22.2	22.8	24.1	24.7	24.6	25.2	25.7
12H	4H	20.1	20.9	20.6	21.4	21.9	21.9	22.7	22.4	23.2	23.7
	6H	20.9	21.6	21.4	22.0	22.6	23.2	23.9	23.7	24.4	24.9
	8H	21.2	21.8	21.7	22.3	22.9	23.8	24.4	24.3	24.9	25.4

Maximum UGR = 25.7

POLAR GRAPH



Maximum Candela = 1307.976 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)